Author Index Volume 81 (1993)

Arevalo, A.R., 109

Basile, A., 43
Bates, R., 139
Belfort, G., 127, 139, 151
Bhide, B.D., 209, 239
Brewster, M.E., 127

Chapiró, A., 89
Chung, K.-Y., 127, 139, 151

De Abajo, J., 31
De la Campa, J.G., 31
Drioli, E., 43

Edelstein, W.A., 151

Fritzsche, A.K., 109
Furusaki, S., 295

Haas, O., 89
Hattori, K., 1
Ho, C.-C., 287
Hrdlička, A., 121
Hsu, J.-H., 273
Huh, Y.-I., 253

Iritani, E., 1

Jan, D.-S., 287

Karlsson, H.O.E., 163
Kawakatsu, T., 173
Kimura, S., 173
Komiyama, J., 253
Koops, G.H., 57
Koros, W.J., 71
Kotake, N., 253
Kötz, E.R., 89

Lee, W., 295

Makuuchi, K., 295

Matsumoto, K., 15, 23
Moore, M.D., 109
Moreno, C., 121
Mulder, M.H.V., 57
Murase, T., 1
Nakao, S., 173

Néel, J., 97
Nguyen, Q.T., 97
Nishikimi, T., 15
Nolten, J.A.M., 57

O'Hara, C., 109

Pesek, S.C., 71
Ponomarev, V.L., 263

Rouilly, M.V., 89
Ruckenstein, E., 191

Saito, K., 295
Satoh, M., 253
Schaetzel, P., 97
Scherer, G.G., 89
Semernikov, V.A., 263
Sigal, V.L., 263
Smolders, C.A., 57
Soriano, E., 31
Stern, S.A., 209, 239
Sugo, T., 295
Sun, F., 191

Tan, C.-S., 273
Torres, M.R., 31
Trägårdh, G., 163
Tsai, F.-N., 287

Valiente, M., 121
Volfkovich, Yu.M., 263

Xie, H.A., 97
Xu, P., 15, 23

Zhang, S., 43

Subject Index Volume 81 (1993)

acetic acid, 57
alkali metal cations, 253
amines, 97
anion-exchange membranes, 295
antigen removal, 263
aqueous coagulation, 71
aroma compound recovery, 163
asymmetric membranes, 71
atomic force microscopy, 109

biotechnology, 263
blocking resistance, 173
blood plasma purification, 263
boundary layer, 163

cation-exchange membranes, 287
charge transfer complex, 23
composite membranes, 57, 191
compression, 173
concentrated emulsion polymerization, 191
concentration polarization, 163
contact ion-pair, 253
coupled transport, 43
crossflow filtration, 173
crosslinked membranes, 253

defect-free selective layer, 71
defouling, 139
dehydration, 57, 97
deviation coefficient, 43
di-(2-ethylhexyl)phosphoric acid, 121
dielectric constant, 15
Donnan dialysis, 287
dry/wet phase separation, 71

economics, 239
ethanol rejection, 273

filter cake, 1
fluid mechanics, 127
fouling, 1, 31
fundamental study, 121

gas permeability, 15, 23
gas separation, 239

hydrophilic membranes, 273

ionomer membranes, 97

linear stability analysis, 127

macroporous membranes, 263
macrovoids, 109
magnetic resonance imaging, 151
mass transfer, 163
mechanical properties of composite membranes, 191
membrane characterization, 31
membrane diffusion control, 287
membrane filtration, 151
membrane module design, 127, 139, 151
membrane preparation, 89
membrane process design, 239
membrane structure, 263
membrane surface pore size, 173
microfiltration, 139, 173
modules, 127

natural gas purification, 209
natural gas upgrading, 239
neodymium, 121
Nernst–Planck equation, 287
nitrate media, 121
nonporous films, 295

orthogonal collocation, 287
osmotic pressure, 273

particle size, 173
pervaporation, 43, 57, 97, 163, 191
permeation rate, 273
polyacrylonitrile, 57
polyacrylonitrile membranes, 109
polyamide membranes, 31
polyimide membrane, 15, 23
poly(L-glutamic acid), 253
polysulfone, 71
poly(vinyl chloride), 57
pores, 109
porometry, 263
praseodymium, 121
process configurations, 209
proton exchange membranes, 89
PVA-based membranes, 97

quaternary ammonium salt, 295

radiation grafting, 89
radiation-induced graft polymerization, 295
reverse osmosis, 273

scanning electron microscopy, 109
separation of water/alcohol., 191
supercritical fluid extraction, 273
supported liquid membranes, 121
suspensions, 139
swelling, 253

theory, 43

ultracentrifugation, 1
ultrafiltration, 1, 31, 109
urea permeation, 295

vortices, induced, 127, 139, 151